CLAIMS

What is claimed is:

1. A production profile determination and modification system, comprising:

a logging system having a logging tool;

a downhole unit operable to house the logging tool and to selectively secure a retrievable fluid barrier within a wellbore casing; and

a deployment system operable to deploy the downhole unit in the wellbore casing.

2. The system as recited in claim 1, further comprising the fluid barrier.

3. The system as recited in claim 2, wherein the fluid barrier is a retrievable bridge plug.

4. The system as recited in claim 1, wherein the logging system is operable to identify oil, gas, and water bearing strata.

5. The system as recited in claim 1, wherein the logging system is operable to identify relative percentages of oil, water, and gas in wellbore fluid at a downhole location.

6. The system as recited in claim 1, wherein the logging system is operable to identify flow rates of oil, water, and gas at a downhole location.

7. The system as recited in claim 1, wherein the logging system comprises a data acquisition system.

8. The system as recited in claim 7, wherein the logging system comprises a wireline operable to transmit data from the logging tool to the data acquisition system.

9. The system as recited in claim 8, wherein the logging tool is raised and lowered relative to the housing by the wireline.

10. The system as recited in claim 1, wherein the downhole unit comprises an artificial lift device to induce fluid flow in wellbore fluids downhole.

11. The system as recited in claim 1, wherein the deployment system comprises a coupling member secured to the downhole unit and to a surface structure.

12. The system as recited in claim 11, wherein the coupling member comprises a wireline.

13. The system as recited in claim 1, wherein the logging tool is lowered from the downhole unit to log data.

14. A downhole system for facilitating measurement of fluid parameters in a wellbore, comprising:

a downhole tool, comprising:

a first portion operable to house a well logging tool; and

a second portion operable to selectively secure a retrievable fluid barrier to a wellbore casing.

15. The downhole system as recited in claim 14, wherein the downhole tool is adapted to enable the well logging tool to be positioned relative to the first portion.

16. The downhole system as recited in claim 15, wherein the second portion is adapted to enable a portion of the well logging tool to be disposed through the second portion.

17. The downhole system as recited in claim 16, wherein the downhole system comprises an artificial lift device operable to induce fluid flow in the wellbore.

18. The downhole system as recited in claim 14, wherein the well logging tool is raised and lowered relative to the downhole tool by a wireline.

19. The downhole system as recited in claim 18 , wherein the downhole tool has a side door to enable the wireline to pass into the first portion of the downhole tool.

20. The downhole system as recited in claim 14, further comprising the well logging tool.

21. The downhole system as recited in claim 20, wherein the well logging tool is operable to identify oil, gas, and water bearing strata.

22. The downhole system as recited in claim 16, wherein the well logging tool is operable to measure percentages of oil, water, and gas in wellbore fluid at a downhole location.

23. The downhole system as recited in claim 16, wherein the well logging tool is operable to measure fluid velocity at a downhole location.

24. The downhole system as recited in claim 16, wherein the first portion comprises a downhole lubricator adapted to house the well logging device.

25. The downhole system as recited in claim 24, wherein the second portion comprises an overshot secured to the downhole lubricator.

26. A method of profiling and modifying fluid flow within a wellbore, comprising:

deploying a tool string into a wellbore lined with a casing, the tool string having a retrievable fluid barrier, a logging tool and a downhole tool;

actuating the downhole tool to secure the fluid barrier within the casing below a first group of perforations in the casing;

disengaging the downhole tool from the fluid barrier;

operating the logging tool to detect characteristics of the fluid flowing into the wellbore through the first group of perforations.

27. The method as recited in claim 26, further comprising:

releasing the fluid barrier; and

moving the fluid barrier to another location within the casing.

28. The method as recited in claim 26, wherein operating comprises lowering at least a portion of the logging tool below the downhole tool.

29. The method as recited in claim 26, comprising obtaining a flow of fluid into the wellbore via the first group of perforations.

30. The method as recited in claim 29, wherein deploying comprises securing an artificial lift device to the tool string.

31. The method as recited in claim 30, wherein obtaining comprises operating the artificial lift device to cause the flow of fluid.

32. The method as recited in claim 26, wherein operating comprises operating the logging device to identify percentages of oil and water in the flow of fluid.

33. The method as recited in claim 26, further comprising raising the tool string above the first group of perforations in the casing after securing the fluid barrier within the casing below the first group of perforations in the casing.

34. The method as recited in claim 26, further comprising retrieving the fluid barrier with the tool string.

35. The method as recited in claim 26, further comprising:

repositioning the tool string in the casing;

securing the fluid barrier within the casing below a second group of perforations in the casing; and

operating the logging tool to detect characteristics of the fluid flowing into the wellbore via the second group of perforations.

36. The method as recited in claim 35, further comprising analyzing the characteristics of the fluid flowing into the wellbore through the first and second group of perforations to identify which group of perforations produces a more desirable fluid flow.

37. The method as recited in claim 36, further comprising securing the fluid barrier within the casing to isolate fluid flow through the casing via the group of perforations that produces the more desirable fluid flow.

38. The method as recited in claim 37, wherein deploying a tool string into a wellbore lined with the casing; analyzing the characteristics of the fluid; and securing the fluid barrier to isolate fluid flow are performed during a single trip of the tool string into the wellbore.